



PCT10

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/070,464

DATE: 03/21/2002

TIME: 14:58:24

Input Set : A:\GH-007-SEQLIST.TXT

Output Set: N:\CRF3\03212002\J070464.raw

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4 <110> APPLICANT: ABBOTT, Catherine Anne
5   GORRELL, Mark Douglas
7 <120> TITLE OF INVENTION: DIPEPTIDYL PEPTIDASES
10 <130> FILE REFERENCE: GH-007
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/070,464
C--> 12 <141> CURRENT FILING DATE: 2002-03-07
12 <150> PRIOR APPLICATION NUMBER: PCT/AU00/01085
13 <151> PRIOR FILING DATE: 2000-09-11
15 <150> PRIOR APPLICATION NUMBER: AU PQ5709
16 <151> PRIOR FILING DATE: 2000-02-18
18 <150> PRIOR APPLICATION NUMBER: AU PQ2762
19 <151> PRIOR FILING DATE: 1999-09-10
21 <160> NUMBER OF SEQ ID NOS: 8
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 882
27 <212> TYPE: PRT
28 <213> ORGANISM: Homo Sapiens
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32 1 5 10 15
33 Thr Ala Asp Cys Glu Glu Asn Ile Glu Ser Gln Asp Arg Pro Lys Leu
34 20 25 30
35 Glu Pro Phe Tyr Val Glu Arg Tyr Ser Trp Ser Gln Leu Lys Lys Leu
36 35 40 45
37 Leu Ala Asp Thr Arg Lys Tyr His Gly Tyr Met Met Ala Lys Ala Pro
38 50 55 60
39 His Asp Phe Met Phe Val Lys Arg Asn Asp Pro Asp Gly Pro His Ser
40 65 70 75 80
41 Asp Arg Ile Tyr Tyr Leu Ala Met Ser Gly Glu Asn Arg Glu Asn Ile
42 85 90 95
43 Leu Phe Tyr Ser Glu Ile Thr Tyr Thr Ile Asn Asp Arg Ala Val Ile
44 100 105 110
45 Met Leu Ser Trp Lys Pro Leu Leu Asp Leu Phe Glu Ala Ile Thr Ser
46 115 120 125
47 Tyr Gly Met Tyr Ser Arg Glu Glu Leu Leu Arg Glu Arg Lys Arg
48 130 135 140
49 Ile Gly Thr Val Gly Ile Ala Ser Tyr Asp Tyr His Gln Gly Ser Gly
50 145 150 155 160
51 Thr Phe Leu Phe Gln Ala Gly Ser Gly Ile Tyr His Val Lys Asp Gly
52 165 170 175
53 Gly Pro Gln Gly Phe Thr Gln Gln Pro Leu Arg Pro Asn Leu Val Glu
54 180 185 190

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55 Thr Ser Cys Pro Asn Ile Arg Met Asp Pro Lys Leu Cys Pro Ala Asp
56      195      200      205
57 Pro Asp Trp Ile Ala Phe Ile His Ser Asn Asp Ile Trp Ile Ser Asn
58      210      215      220
59 Ile Val Thr Arg Glu Glu Arg Arg Leu Thr Tyr Val His Asn Glu Leu
60 225      230      235      240
61 Ala Asn Met Glu Glu Asp Ala Arg Ser Ala Gly Val Ala Thr Phe Val
62      245      250      255
63 Leu Gln Glu Glu Phe Asp Arg Tyr Ser Gly Tyr Trp Trp Cys Pro Lys
64      260      265      270
65 Ala Glu Thr Thr Pro Ser Gly Gly Lys Ile Leu Arg Ile Leu Tyr Glu
66      275      280      285
67 Glu Asn Asp Glu Ser Glu Val Glu Ile Ile His Val Thr Ser Pro Met
68      290      295      300
69 Leu Glu Thr Arg Arg Ala Asp Ser Phe Arg Tyr Pro Lys Thr Gly Thr
70 305      310      315      320
71 Ala Asn Pro Lys Val Thr Phe Lys Met Ser Glu Ile Met Ile Asp Ala
72      325      330      335
73 Glu Gly Arg Ile Ile Asp Val Ile Asp Lys Glu Leu Ile Glu Pro Phe
74      340      345      350
75 Glu Ile Leu Phe Glu Gly Val Glu Thr Ile Ala Arg Ala Gly Trp Thr
76      355      360      365
77 Pro Glu Gly Lys Tyr Ala Trp Ser Ile Leu Leu Asp Arg Ser Gln Thr
78      370      375      380
79 Arg Leu Gln Ile Val Leu Ile Ser Pro Glu Leu Phe Ile Pro Val Glu
80 385      390      395      400
81 Asp Asp Val Met Glu Arg Gln Arg Leu Ile Glu Ser Val Pro Asp Ser
82      405      410      415
83 Val Thr Pro Leu Ile Ile Tyr Glu Glu Thr Thr Asp Ile Trp Ile Asn
84      420      425      430
85 Ile His Asp Ile Phe His Val Phe Pro Gln Ser His Glu Glu Glu Ile
86      435      440      445
87 Glu Phe Ile Phe Ala Ser Glu Cys Lys Thr Gly Phe Arg His Leu Tyr
88      450      455      460
89 Lys Ile Thr Ser Ile Leu Lys Glu Ser Lys Tyr Lys Arg Ser Ser Gly
90 465      470      475      480
91 Gly Leu Pro Ala Pro Ser Asp Phe Lys Cys Pro Ile Lys Glu Glu Ile
92      485      490      495
93 Ala Ile Ile Ser Ile Ile Trp Ile Val Ile Tyr Arg His Ile Ser Ser
94      500      505      510
95 Ile Glu Val Asp Glu Val Arg Arg Leu Val Thr Phe Glu Glu Thr Lys
96      515      520      525
97 Asp Ser Pro Leu Glu His His Ile Thr Val Val Ser Thr Val Asn Pro
98      530      535      540
99 Gly Glu Val Thr Arg Leu Thr Asp Arg Gly Tyr Ser His Ser Cys Cys
100 545      550      555      560
101 Ile Ser Glu His Cys Asp Phe Phe Ile Ser Lys Tyr Ser Asn Gln Lys
102      565      570      575
103 Asn Pro His Cys Val Ser Leu Tyr Lys Leu Ser Ser Pro Glu Asp Asp

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104          580          585          590
105 Pro Thr Cys Lys Thr Lys Glu Phe Trp Ala Thr Ile Leu Asp Ser Ala
106          595          600          605
107 Gly Pro Leu Pro Asp Tyr Thr Pro Pro Glu Ile Phe Ser Phe Glu Ser
108          610          615          620
109 Thr Thr Gly Phe Thr Leu Tyr Gly Met Leu Tyr Lys Pro His Asp Leu
110 625          630          635          640
111 Gln Pro Gly Lys Lys Tyr Pro Thr Val Leu Phe Ile Tyr Gly Gly Pro
112          645          650          655
113 Gln Val Gln Leu Val Asn Asn Arg Phe Lys Gly Val Lys Tyr Phe Arg
114          660          665          670
115 Leu Asn Thr Leu Ala Ser Leu Gly Tyr Val Val Val Val Ile Asp Asn
116          675          680          685
117 Arg Gly Ser Cys His Arg Gly Leu Lys Phe Glu Gly Ala Phe Lys Tyr
118          690          695          700
119 Lys Met Gly Gln Ile Glu Ile Asp Asp Gln Val Glu Gly Leu Gln Tyr
120 705          710          715          720
121 Leu Ala Ser Arg Tyr Asp Phe Ile Asp Leu Asp Arg Val Gly Ile His
122          725          730          735
123 Gly Trp Ser Tyr Gly Gly Tyr Leu Ser Leu Met Ala Leu Met Gln Arg
124          740          745          750
125 Ser Asp Ile Phe Arg Val Ala Ile Ala Gly Ala Pro Val Thr Leu Trp
126          755          760          765
127 Ile Phe Tyr Asp Thr Gly Tyr Thr Glu Arg Tyr Met Gly His Pro Asp
128          770          775          780
129 Gln Asn Glu Gln Gly Tyr Tyr Leu Gly Ser Val Ala Met Gln Ala Glu
130 785          790          795          800
131 Lys Phe Pro Ser Glu Pro Asn Arg Leu Leu Leu His Gly Phe Leu
132          805          810          815
133 Asp Glu Asn Val His Phe Ala His Thr Ser Ile Leu Leu Ser Phe Leu
134          820          825          830
135 Val Arg Ala Gly Lys Pro Tyr Asp Leu Gln Ile Tyr Pro Gln Glu Arg
136          835          840          845
137 His Ser Ile Arg Val Pro Glu Ser Gly Glu His Tyr Glu Leu His Leu
138          850          855          860
139 Leu His Tyr Leu Gln Glu Asn Leu Gly Ser Arg Ile Ala Ala Leu Lys
140 865          870          875          880
141 Val Ile

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142 <210> SEQ ID NO: 1

146 <211> LENGTH: 3129

147 <212> TYPE: DNA

148 <213> ORGANISM: Homo Sapiens

149 <214> SEQUENCE:

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151 aagtgcataa gctccgagg ccaaggccgc tgcactgcc gccgctgctt cttagtgccg 60
152 cgttcgcgc ctgggttat accgcaccc cccccaqqa accactqca accagqaccg 120
153 gagtggaggg ggccgcagcat qaagcggggc aggcgcgctc catagccac gtcggqacgg 180
154 tccggggcgg ggccggggga aggaataatg aacatgqca cagcaatgga aacagaacag 240
155 ctgggtgttg agatatttga aactgcggac tgtgaggaga atattgaatc acaggatcgg 300
156 cctaaatttg agccttttta tttgagcgg tattcctgga gtcagcttaa aaagctgctt 360

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157 gccgatacca gaaaatatca tggctacatg atggotaagg caccacatga tttcatgttt 420
158 gtgaagagga atgatccaga tggacctcat tcagacagaa tctattacct tgccatgtct 480
159 ggtgagaaca gagaaaatac actgttttat tctgaaatcc ccaaaactat caatagagca 540
160 gcagtcttaa tgcctctctg gaagcctctt ttggatcttt ttcaggcaac actggactat 600
161 ggaatgtatt ctogagaaga agaactatta agagaaagaa aacgcattgg aacagtcgga 660
162 attgctctctt acgattatca ccagggaagt ggaacatttc tgtttcaagc cggtagtgga 720
163 atttatcaag taaaagatgg agggccacaa ggatttacgc aacaaccttt aaggcccaat 780
164 ctagtggaaa ctagtgtgct caacatacgg atggatccaa aattatgccc cgtgatcca 840
165 gactggattg cttttataca tagcaacgat atttggatat ctaacatcgt aaccagagaa 900
166 gaaaggagac tcacttatgt gcacaatgag ctagccaaca tggagaaga tgcagatca 960
167 gctggagtcg ctacctttgt tctccaagaa gaatttgata gatattctgg ctattggtgg 1020
168 tgtccaaaag ctgaaaacac tcccagtggt ggtaaaatcc ttagaattct atatgaagaa 1080
169 aatgatgaat ctgaggtgga aattatctat gttacatccc ctatgttggg aacaaggagg 1140
170 gcagattcat tccgttatcc taaaacaggt acagcaaatc ctaaagtcac ttttaagatg 1200
171 tcagaaataa tgattgatgc tgaaggagg atcatagatg tcatagataa ggaactaatt 1260
172 caaccttttg agattctatt tgaaggagtt gaatatattg ccagagctgg atggactcct 1320
173 gagggaaaat atgcttggtc cactctacta gatcgtctcc agactcgcct acagatagtg 1380
174 ttgatctcac ctgaattatt tatcccagta gaagatgatg ttatggaaag gcagagactc 1440
175 attgagtcag tgcctgattc tgtgacgcca ctaattatct atgaagaaac aacagacatc 1500
176 tggataaata tccatgacat ctttcatgtt ttcccccaca gtacagaaga ggaaattgag 1560
177 ttatcttttg cctctgaatg caaaaacagt ttcctcattt taaacaaat tacatctatt 1620
178 ttaaggaaa gcaaatataa acgatccagt ggtgggtgcg ctgctccaag tgatttcaag 1680
179 tgtctatcca aagaggagat agcaattacc agtgggtgaat ggggaagttct tggccggcat 1740
180 ggtcttaata tccaagttga tgaagtcaga aggtctgtat attttgaagg caccaaagac 1800
181 tcccccttag agcatcaact gtaoctagtc agttacgtaa atcctggaga ggtgacaagg 1860
182 ctgactgacc gtggtacttc acattcttgc tgcacagtc agcactgtga cttctttata 1920
183 agtaagtata gtaaccagaa gaatccacac tgtgtgtccc tttaaaagct atcaagtcct 1980
184 gaagatgacc caacttgcaa acaaaaggaa ttttgggcca ccatttttga ttcagcaggt 2040
185 cctcttctcg actatactcc tccagaaatt ttctcttttg aaagtactac tggatttaca 2100
186 ttgtatggga tgcctacaaa gctcctatgt ctacagcctg gaaagaaata tctactgtg 2160
187 ctgttcatat atggtgtgct tcaggtgcag ttggtgaata atcggtttaa aggagtcag 2220
188 tatctcctg tgaataccct agcctctcta ggttatgtgg ttgtagtgat agacaacag 2280
189 ggtactgtc accgagggct taaatttgaa ggcgccttta aatataaaat gggtaaaata 2340
190 gaaattgaag atcaggtgga aggaactcaa tatctagctt ctgatatga tttcattgac 2400
191 ttagatcgtg tgggcattca cggctggctc tatggaggat acctctcctt gatggcatta 2460
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194 tattacttag gatctgtggc catgcaagca gaaaagttcc cctctgaacc aaatcgttta 2640
195 ctgtctctat atctttctct ccatctctat ctctctctct ccatctctct tatattctct 2700
196 agttttttag tgaaggtctg aaagccatat gattttacaa tctatctca ggaagacac 2760
197 acataaagat tctctaatc gggagagcat tatgaactgc atcttttga ctaccttcaa 2820
198 gaaacccctg gatcaagtat tctctctcta aaagtctat aattttgacc tgggtagacc 2880
199 tctctgctat acactgcta ttaacccaaa tgaagaggtt taatcaaac aaaaacagca 2940
200 attgactcct acattttgat acctgacctg taacatctac tctgaaaaat aaatgtgtgt 3000
201 ccagtcaggg gtctacaggt tgtggtagta atctaatacc ttaaccccac atgctcaaaa 3060
202 tcaaatgata catattctct agagaccacg caataccata aqaattacta aaaaaaaaaa 3120
205 <210> SEQ ID NO: 3
206 <211> LENGTH: 310
207 <212> TYPE: PRT

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DATE: 03/21/2002

TIME: 14:58:24

Input Set : A:\GH-007-SEQLIST.TXT

Output Set: N:\CRF3\03212002\J070464.raw

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208 <213> ORGANISM: Homo Sapiens
210 <400> SEQUENCE: 3
211 Phe Glu Gly Thr Lys Asp Ser Pro Leu Glu His His Leu Tyr Val Val
212 1 5 10 15
213 Ser Tyr Val Asn Pro Gly Glu Val Thr Arg Leu Thr Asp Arg Gly Tyr
214 20 25 30
215 Ser His Ser Cys Cys Ile Ser Gln His Cys Asp Phe Phe Ile Ser Lys
216 35 40 45
217 Tyr Ser Asn Gln Lys Asn Pro His Cys Val Ser Leu Tyr Lys Leu Ser
218 50 55 60
219 Ser Pro Glu Asp Asp Pro Thr Cys Lys Thr Lys Glu Phe Trp Ala Thr
220 65 70 75 80
221 Ile Leu Asp Ser Ala Gly Pro Leu Pro Asp Tyr Thr Pro Pro Glu Ile
222 85 90 95
223 Phe Ser Phe Glu Ser Thr Thr Gly Phe Thr Leu Tyr Gly Met Leu Tyr
224 100 105 110
225 Lys Pro His Asp Leu Gln Pro Gly Lys Lys Tyr Pro Thr Val Leu Phe
226 115 120 125
227 Ile Tyr Gly Gly Pro Gln Gly Gln Ile Glu Ile Asp Asp Gln Val Glu
228 130 135 140
229 Gly Leu Gln Tyr Leu Ala Ser Arg Tyr Asp Phe Ile Asp Leu Asp Arg
230 145 150 155 160
231 Val Gly Ile His Gly Trp Ser Tyr Gly Gly Tyr Leu Ser Leu Met Ala
232 165 170 175
233 Leu Met Gln Arg Ser Asp Ile Phe Arg Val Ala Ile Ala Gly Ala Pro
234 180 185 190
235 Val Thr Leu Trp Ile Phe Tyr Asp Thr Gly Tyr Thr Glu Arg Tyr Met
236 195 200 205
237 Gly His Pro Asp Gln Asn Glu Gln Gly Tyr Tyr Leu Gly Ser Val Ala
238 210 215 220
239 Met Gln Ala Glu Lys Phe Pro Ser Glu Pro Asn Arg Leu Leu Leu Leu
240 225 230 235 240
241 His Gly Phe Leu Asp Glu Asn Val His Phe Ala His Thr Ser Ile Leu
242 245 250 255
243 Leu Ser Phe Leu Val Arg Ala Gly Lys Pro Tyr Asp Leu Gln Ile Tyr
244 260 265 270
245 Pro Gln Glu Arg His Ser Ile Arg Val Pro Glu Ser Gly Glu His Tyr
246 275 280 285
247 His Leu Val Asn Ile Thr Asn Leu Thr Ser Asp Ile
248 290 295 300
249 Ala Leu Thr Val Ile
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254 <111> LENGTH: 1197
255 <112> TYPE: DNA
256 <213> ORGANISM: Homo Sapiens
258 <400> SEQUENCE: 4
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260 atcctggaga ggtgacaagg ctgactgacc gtggtacttc acattcttgc tgcacgtc 120

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/070,464

DATE: 03/21/2002

TIME: 14:58:25

Input Set : A:\GH-007-SEQLIST.TXT

Output Set: N:\CRF3\03212002\J070464.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date